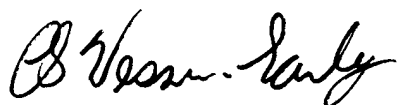


March 7, 2003

Dear Examiner Weinhold -

Here are the results of your search request for case no. 09/822,154. If a modification or re-focus of the search is needed, please let me know.



Caryn S. Wesner-Early, MSLS  
Technical Information Specialist  
EIC 3600, US Patent & Trademark Office  
Phone: (703) 306-5967  
Fax: (703) 306-5758  
caryn.wesner@uspto.gov

?show files;ds

File 348:EUROPEAN PATENTS 1978-2003/Feb W04

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030227,UT=20030220

(c) 2003 WIPO/Univentio

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)

(c) 2003 JPO & JAPIO

File 351:Derwent WPI 1963-2003/UD,UM &UP=200315

(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

(c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	7	AU='IMMERMAN R A'
S2	7	IDPAT (sorted in duplicate/non-duplicate order)
S3	7	IDPAT (primary/non-duplicate records only)

3/3,K/1 (Item 1 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

015077495 \*\*Image available\*\*  
WPI Acc No: 2003-138013/200313  
XRPX Acc No: N03-109423

**Container used in homes has retaining rings to retain protrusions in receptacles of floor supporting portion, respectively**

Patent Assignee: INTERDESIGN INC (INTE-N)  
Inventor: DRETZKA P C; **IMMERMAN R A**  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6439418	B1	20020827	US 2001812626	A	20010320	200313 B

Priority Applications (No Type Date): US 2001812626 A 20010320

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6439418	B1	10	B65D-025/24		

...Inventor: **IMMERMAN R A**

3/3,K/2 (Item 2 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

014911787 \*\*Image available\*\*  
WPI Acc No: 2002-732493/200279  
XRPX Acc No: N02-577642

**Suction cup holder for attaching suction cup to fixture, has fastener arrangement that attaches suction cup holder to fixture and rigid wires that define opening for receiving and retaining suction cup**

Patent Assignee: INTER DESIGN INC (INTE-N)  
Inventor: **IMMERMAN R A**  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020139911	A1	20021003	US 2001822154	A	20010330	200279 B

Priority Applications (No Type Date): US 2001822154 A 20010330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020139911	A1	7	A45D-042/14		

Inventor: **IMMERMAN R A**

3/3,K/3 (Item 3 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

014911111 \*\*Image available\*\*  
WPI Acc No: 2002-731817/200279  
XRPX Acc No: N02-576970

**Attaching system for container and base, has base provided with elongated portion which cooperates with elongated member of container to attach container and base together**

Patent Assignee: INTERDESIGN INC (INTE-N)  
Inventor: **IMMERMAN R A ; SNELL R B**  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020130133	A1	20020919	US 2001811972	A	20010319	200279 B

Priority Applications (No Type Date): US 2001811972 A 20010319

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020130133 A1 12 B65D-025/24

Inventor: IMMERMAN R A ...

3/3,K/4 (Item 4 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

014561353 \*\*Image available\*\*

WPI Acc No: 2002-382056/200241

XRPX Acc No: N02-299028

Suction cup nub cover has cover portion that is sized to cover nub, and holder that holds cover portion over nub to hide nub from view

Patent Assignee: INTERDESIGN INC (INTE-N)

Inventor: IMMERMAN R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020043535	A1	20020418	US 99173625	P	19991229	200241 B
			US 2000752270	A	20001229	

Priority Applications (No Type Date): US 99173625 P 19991229; US 2000752270 A 20001229

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020043535 A1 13 B65D-025/22 Provisional application US 99173625

Inventor: IMMERMAN R A

3/3,K/5 (Item 5 from file: 351)

DIALOG(R)File 351:Derwent WPI

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014072969 \*\*Image available\*\*

WPI Acc No: 2001-557182/200162

Related WPI Acc No: 1999-609885; 2001-520533

XRPX Acc No: N01-414060

Bathroom accessories securable to a bathroom wall comprising wall member adjacent to vertical surface to which accessory is to be secured

Patent Assignee: INTERDESIGN INC (INTE-N)

Inventor: HAMPSHIRE J; IMMERMAN R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010020621	A1	20010913	US 95579665	A	19951227	200162 B
			US 99427133	A	19991025	
			US 2001854274	A	20010511	

Priority Applications (No Type Date): US 95579665 A 19951227; US 99427133 A 19991025; US 2001854274 A 20010511

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20010020621 A1 22 A47K-005/08 Div ex application US 95579665  
Div ex application US 99427133  
Div ex patent US 5971192

...Inventor: IMMERMAN R A

3/3,K/6 (Item 6 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

014036320 \*\*Image available\*\*  
WPI Acc No: 2001-520533/200157  
Related WPI Acc No: 1999-609885; 2001-557182  
XRPX Acc No: N01-385488

**Bathroom accessories securable to a bathroom wall having toiletry items  
and orifices for receiving toothbrushes**

Patent Assignee: INTERDESIGN INC (INTE-N)  
Inventor: HAMPSHIRE J; IMMERMANN R A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6279742	B1	20010828	US 95579665	A	19951227	200157 B
			US 99427133	A	19991025	

Priority Applications (No Type Date): US 95579665 A 19951227; US 99427133 A  
19991025

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6279742	B1	21	B65D-081/24	Div ex application US 95579665 Div ex patent US 5971192

...Inventor: IMMERMANN R A

3/3,K/7 (Item 7 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

012803655 \*\*Image available\*\*  
WPI Acc No: 1999-609885/199952  
Related WPI Acc No: 2001-520533; 2001-557182  
XRPX Acc No: N99-449300

**Shower basket in household bathroom for storage of items such as shampoo,  
soap**

Patent Assignee: INTERDESIGN INC (INTE-N)  
Inventor: HAMPSHIRE J; IMMERMANN R A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5971192	A	19991026	US 95579665	A	19951227	199952 B

Priority Applications (No Type Date): US 95579665 A 19951227

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5971192	A	21	B65D-001/00	

...Inventor: IMMERMANN R A

?show files;ds

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)

(c) 2003 JPO & JAPIO

File 351:Derwent WPI 1963-2003/UD,UM &UP=200315

(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

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*bibliographic  
patent files*

Set	Items	Description
S1	5321	(SUCTION OR VACUUM) () CUP? ?
S2	3540069	STRUCTURE? ? OR HANGER? ? OR SUPPORT?? OR BRACE? ? OR FRAM- E? OR HOLDER? ? OR BRACKET? ? OR RACK? ? OR FRAME() WORK? ?
S3	804368	WIRE OR WIRES OR STRAND? ? OR (EXTRUDED OR STRIP? ?) (2N) (M- ETAL OR STEEL OR COPPER) OR FILAMENT? ?
S4	2158413	ADHESIVE? ? OR WELD?? OR SOLDER?? OR BRA?E? ? OR (BLOW OR - ALCOHOL OR BUTANE OR SOLDER? OR ACETYLENE OR WELDING) () (TORCH OR LAMP) OR FUS??? OR GLUE? ? OR BOND??? OR CEMENT?? OR (STIC- K??? OR STUCK OR ATTACH???) () (TO OR TOGETHER)
S5	473588	RECTANGLE? ? OR RECTANGULAR OR QUADRANGLE? ? OR QUADRANGUL- AR OR SQUARE? ? OR RHOMB? OR QUADRILATERAL? ? OR (FOUR OR 4) (- ) SIDE? ? OR OBLONG? ? OR ORTHOGONAL OR TRAPEZOID??
S6	35850	S2(3N)S5
S7	10	S1(5N)S6
S8	35342	S2(3N)S3
S9	3	S1(5N)S8
S10	13	S7 OR S9
S11	13	IDPAT (sorted in duplicate/non-duplicate order)
S12	13	IDPAT (primary/non-duplicate records only)

12/3,K/1 (Item 1 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

013382877 \*\*Image available\*\*  
WPI Acc No: 2000-554815/200051  
XRPX Acc No: N00-411197

**Fixing structure for release wire of drain valve, has suction cup  
that fixes portion of release wire to inner wall of bathtub**

Patent Assignee: INAX KK (INAE )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000220188	A	20000808	JP 9922343	A	19990129	200051 B

Priority Applications (No Type Date): JP 9922343 A 19990129

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2000220188 A 5 E03C-001/22

**Fixing structure for release wire of drain valve, has suction cup  
that fixes portion of release wire to inner wall of bathtub**

12/3,K/2 (Item 2 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

012164910 \*\*Image available\*\*  
WPI Acc No: 1998-581822/199849  
XRAM Acc No: C98-173984  
XRPX Acc No: N98-453190

**Device for mounting on wall of shower or bath for cleaning or massaging  
person's back, etc. - has mounting section connected to support section  
to which washcloth can be attached and held taut by flexible gripper on  
support section**

Patent Assignee: DION W D (DION-I)  
Inventor: DION W D  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5822824	A	19981020	US 96759781	A	19961203	199849 B

Priority Applications (No Type Date): US 96759781 A 19961203

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 5822824 A 12 A47K-007/02

...Abstract (Basic): adjacent each side of the mounting section; 3 As 2 and  
the mounting structure is **suction cups** (24) and the **support**  
section has **four sides** . The mounting section may be of polyvinyl  
chloride of 68 Shore A...

12/3,K/3 (Item 3 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
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012104899  
WPI Acc No: 1998-521811/199845  
XRPX Acc No: N98-407585

**Portable rubbish bin - has rigid rectangular frame retaining rubbish  
bag with suction cup attached at frame mid-point on one side for  
attaching to any rigid surface NoAbstract**

Patent Assignee: TRUDEAU D (TRUD-I); TRUDEAU H (TRUD-I)

Inventor: TRUDEAU D; TRUDEAU H  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2195688	A	19980722	CA 2195688	A	19970122	199845 B

Priority Applications (No Type Date): CA 2195688 A 19970122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2195688	A		7	B65B-067/12	

... has rigid rectangular frame retaining rubbish bag with suction cup attached at frame mid-point on one side for attaching to any rigid surface NoAbstract

12/3,K/4 (Item 4 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

011098432 \*\*Image available\*\*  
WPI Acc No: 1997-076357/199707  
XRPX Acc No: N97-063439

**Appts. for displaying a sign e.g. billboards - uses vacuum cups provided with pumping mechanism for creating a substantially leak-proof seal against surface of vehicle to which billboard is mounted**

Patent Assignee: CHASE J A (CHAS-I); CHASE J L (CHAS-I)

Inventor: CHASE J A; CHASE J L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5588237	A	19961231	US 94183035	A	19940118	199707 B

Priority Applications (No Type Date): US 94183035 A 19940118

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5588237	A		10	G09F-021/04	

...Abstract (Basic): further comprises a number of upper support members extending from an upper portion of the rectangular portion, the upper support members detachably connected to the vacuum cups and adjustable to accommodate vehicles of varying sizes...

12/3,K/5 (Item 5 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

010180191 \*\*Image available\*\*  
WPI Acc No: 1995-081444/199511  
XRPX Acc No: N95-064531

**Wall-mounted shower exercise machine - with suction cup attachment for rectangular framework supporting pulleys around which stretchable resistance cords pass**

Patent Assignee: DAVIS R A (DAVI-I)

Inventor: DAVIS R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5385525	A	19950131	US 94225137	A	19940408	199511 B

Priority Applications (No Type Date): US 94225137 A 19940408

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5385525	A		12	A63B-021/02	



... with suction cup attachment for rectangular framework  
supporting pulleys around which stretchable resistance cords pass

12/3,K/6 (Item 6 from file: 351)

DIALOG(R)File 351:Derwent WPI

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009564035 \*\*Image available\*\*

WPI Acc No: 1993-257583/199332

XRPX Acc No: N93-198232

**Pliable wire soap holder - has pliable wire shaped to form grill  
structure to which is attached suction cups**

Patent Assignee: KOCH D J (KOCH-I)

Inventor: KOCH D J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5232189	A	19930803	US 91692019	A	19910426	199332 B

Priority Applications (No Type Date): US 91692019 A 19910426

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5232189	A	6	F16B-047/00	

...Abstract (Basic): coating and shaping the wires so it can hold the two  
bars of soap. Lastly **suction cups** are added to the **wire frame**  
so that it can be attached to a wall or sink...

12/3,K/7 (Item 7 from file: 351)

DIALOG(R)File 351:Derwent WPI

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008228153 \*\*Image available\*\*

WPI Acc No: 1990-115154/199015

XRPX Acc No: N90-089205

**Eyeglass holding device - is removably mounted by suction cups , with  
support having rectangular elements joined by curved centre section**

Patent Assignee: PARK S S (PARK-I)

Inventor: PARK S S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4903925	A	19900227	US 88253493	A	19881005	199015 B

Priority Applications (No Type Date): US 88253493 A 19881005

... **is removably mounted by suction cups , with support having  
rectangular elements joined by curved centre section**

12/3,K/8 (Item 8 from file: 351)

DIALOG(R)File 351:Derwent WPI

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007423316 \*\*Image available\*\*

WPI Acc No: 1988-057251/198809

XRPX Acc No: N88-043517

**Vacuum gripper unit for rectangular items - has frame with suction cups  
arranged in rows movable parallel to suction plane**

Patent Assignee: FRAUNHOFER-GES FORD ANGE (FRAU ); FRAUNHOFER GES

FOERDERUNG (FRAU )

Inventor: BAUMEISTER K

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3628428	A	19880225	DE 3628428	A	19860821	198809 B
DE 3628428	C	19920625	DE 3628428	A	19860821	199226

Priority Applications (No Type Date): DE 3628428 A 19860821

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3628428	A		5		
DE 3628428	C		6	B65G-047/91	

...Abstract (Basic): The vacuum gripper unit for handling **rectangular** items comprises a **frame** (7) and a number of **suction cups** (1) connected (3-5) to a vacuum source. The suction cup assembly is slidable (6...

12/3,K/9 (Item 9 from file: 351)

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

007423295 \*\*Image available\*\*

WPI Acc No: 1988-057230/198809

XRPX Acc No: N88-043499

**Vacuum gripper unit for rectangular items - has frame with suction cups arranged in rows individually connectable to vacuum source**

Patent Assignee: FRAUNHOFER-GES FORD ANGE (FRAU )

Inventor: BAUMEISTER K

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3628381	A	19880225	DE 3628381	A	19860821	198809 B
DE 3628381	C	19910110				199102

Priority Applications (No Type Date): DE 3628381 A 19860821

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3628381	A		5		

...Abstract (Basic): The vacuum gripper unit for handling **rectangular** items comprises a **frame** (7) and a number of **suction cups** (1) connected to a vacuum source. The cups are arranged in parallel rows (2) which...

12/3,K/10 (Item 10 from file: 351)

DIALOG(R)File 351:Derwent WPI

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003123820

WPI Acc No: 1981-N3876D/198152

**Scanner positioning device for e.g. detecting casting flaws - has ultrasonic transducer mounted on carriage and frame with rotary encoders providing output indicating transducer position**

Patent Assignee: FEAMSTER W C (FEAM-I)

Inventor: FEAMSTER W C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4304133	A	19811208				198152 B

Priority Applications (No Type Date): US 80134891 A 19800328

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

...Abstract (Basic): The manually operable scanner includes a **rectangular frame** having **suction cups** or other mounting devices connectable to a casting or other body to be scanned with...

**12/3,K/11 (Item 11 from file: 351)**  
DIALOG(R)File 351:Derwent WPI  
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003000210  
WPI Acc No: 1981-A0209D/198101  
**Box sheet extraction and erection mechanism - has suction cups on cam controlled quadrilateral linkages on rotary support**  
Patent Assignee: BOSCH GMBH ROBERT (BOSC )  
Inventor: WELLER O  
Number of Countries: 004 Number of Patents: 004  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
DE 2923909 A 19801218 198101 B  
GB 2053133 A 19810204 198106  
FR 2458493 A 19810206 198113  
IT 1130799 B 19860618 198747

Priority Applications (No Type Date): DE 2923909 A 19790613

... **has suction cups on cam controlled quadrilateral linkages on rotary support**

**12/3,K/12 (Item 12 from file: 347)**  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05873172 \*\*Image available\*\*  
FILM FORMING METHOD

PUB. NO.: 10-156272 [JP 10156272 A]  
PUBLISHED: June 16, 1998 (19980616)  
INVENTOR(s): ITO TOSHIAKI  
TAKEUCHI NOBUYUKI  
TSUBOUCHI KAZUO  
APPLICANT(s): CENTRAL GLASS CO LTD [000220] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-316824 [JP 96316824]  
FILED: November 28, 1996 (19961128)

ABSTRACT

... substrate 10 is pulled up diagonally along a guide roll 11, which is also a **support** member, by a **wire** connected with the **suction cup** 12 and moved, and a coating film 14 is application-formed on the back of...

**12/3,K/13 (Item 13 from file: 347)**  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03822104 \*\*Image available\*\*  
HORIZONTAL FILTER PLATE-TYPE FILTER

PUB. NO.: 04-187204 [JP 4187204 A]  
PUBLISHED: July 03, 1992 (19920703)  
INVENTOR(s): IWAKI KAZUO  
APPLICANT(s): MITSUBISHI KAKOKI KAISHA LTD [351402] (A Japanese Company or

Corporation [REDACTED] JP (Japan)  
APPL. NO.: 02-316976 [REDACTED] 90316976]  
FILED: November 21, 1990 (19901121)  
JOURNAL: Section: C, Section No. 996, Vol. 16, No. 501, Pg. 159,  
October 16, 1992 (19921016)

ABSTRACT

... part for supplying and discharging plural pieces of filter paper is provided in parallel. A **rectangular** parallelepipedic **frame** -shaped carriage 10 having plural **suction cups** 21 for sucking the front end of the upper surface of the filter paper at...

?show files;ds

File 2:INSPEC 1969-2003/Jan W4  
(c) 2003 Institution of Electrical Engineers  
File 6:NTIS 1964-2003/Mar W2  
(c) 2003 NTIS, Intl Cpyrght All Rights Res  
File 8:EI Compendex(R) 1970-2003/Feb W4  
(c) 2003 Elsevier Eng. Info. Inc.  
File 25:Weldasearch 1966-2002/Sep  
(c) 2003 TWI Ltd  
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Mar W1  
(c) 2003 Inst for Sci Info  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 94:JICST-EPlus 1985-2003/Mar W1  
(c) 2003 Japan Science and Tech Corp(JST)  
File 118:ICONDA-Intl Construction 1976-2003/Feb  
(c) 2003 Fraunhofer-IRB  
File 144:Pascal 1973-2003/Feb W4  
(c) 2003 INIST/CNRS  
File 248:PIRA 1975-2003/Mar W1  
(c) 2003 Pira International  
File 211:Gale Group Newsearch(TM) 2003/Mar 06  
(c) 2003 The Gale Group  
File 249:PIRA Mgt. & Mktg. Abs. 1976-2003Mar W5  
(c) 2003 Pira International  
File 481:DELPHES Eur Bus 95-2003/Mar W1  
(c) 2003 ACFCI & Chambre CommInd Paris  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 141:Readers Guide 1983-2003/Jan  
(c) 2003 The HW Wilson Co  
File 484:Periodical Abs Plustext 1986-2003/Mar W1  
(c) 2003 ProQuest  
File 111:TGG Natl.Newspaper Index(SM) 1979-2003/Mar 05  
(c) 2003 The Gale Group

Set	Items	Description
S1	1100	(SUCTION OR VACUUM) () CUP? ?
S2	8493530	STRUCTURE? ? OR HANGER? ? OR SUPPORT?? OR BRACE? ? OR FRAM- E? OR HOLDER? ? OR BRACKET? ? OR RACK? ? OR FRAME()WORK? ?
S3	693725	WIRE OR WIRES OR STRAND? ? OR (EXTRUDED OR STRIP? ?) (2N) (M- ETAL OR STEEL OR COPPER) OR FILAMENT? ?
S4	2327078	ADHESIVE? ? OR WELD?? OR SOLDER?? OR BRA?E? ? OR (BLOW OR - ALCOHOL OR BUTANE OR SOLDER? OR ACETYLENE OR WELDING) () (TORCH OR LAMP) OR FUS??? OR GLUE? ? OR BOND??? OR CEMENT?? OR (STIC- K??? OR STUCK OR ATTACH???) () (TO OR TOGETHER)
S5	1014188	RECTANGLE? ? OR RECTANGULAR OR QUADRANGLE? ? OR QUADRANGUL- AR OR SQUARE? ? OR RHOMB? OR QUADRILATERAL? ? OR (FOUR OR 4) (- )SIDE? ? OR OBLONG? ? OR ORTHOGONAL OR TRAPEZOID??
S6	25749	S2(3N)S5
S7	0	S1(5N)S6
S8	0	S1(S)S6
S9	2	S1 AND S6
S10	19344	S2(3N)S3
S11	0	S1(5N)S10
S12	0	S1(S)S10
S13	96215	S2(10N) (S3 OR S5)
S14	1	S1(S)S13
S15	78	S1 AND S2 AND (S3 OR S5)
S16	7	S1(S)S2(S) (S3 OR S5)
S17	15	(S1(S)S2) AND (S3 OR S5)
S18	48	S4 AND S15
S19	29	S4(S)S15
S20	41	S17 OR S19
S21	35	S20 NOT PY>2001

S22 32 S21 NOT P 0010401:20030430  
S23 32 RD (unique items)

23/3,K/1 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS  
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2085200 NTIS Accession Number: AD-A346 254/6/XAB

**Summary of Fy 97 Work on Multipore Suction Techniques**

Mittleman, J.

Coastal Systems Station, Panama City, FL.

Corp. Source Codes: 103703000; 424658

Report No.: CSS/TN-97/27

Oct 97 11p

Languages: English

Journal Announcement: GRAI9819

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... securely over surfaces of virtually any condition or roughness using  
dozens or hundreds of small **suction cups**. This effort complements  
**adhesive** attachment research by trying to synthesize the abalone system,  
creating a nonadhesive alternative for attaching...

... material (see Figure 1). Embedded in the soft core of each honeycomb  
would be a **strand** of muscle **wire** (titanium nickel (Ti-Ni) alloy) that  
would pull a small vacuum under electrical stimulation. A...

23/3,K/2 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

03067383 JICST ACCESSION NUMBER: 97A0220998 FILE SEGMENT: JICST-E

**Analysis of Strength for Plates Carried by Two Vacuum Cups.**

KIMURA KOICHI (1); OKAMOTO MASA AKI (2); HAMADA DAISUKE (3)

(1) Graduate School. Osaka Electro-Communication Univ.; (2) Osaka

Electro-Communication Univ., Fac. of Eng.; (3) Tanabewirutekku

Sekkei Kogaku(Journal of Japan Society for Design Engineering), 1997,

VOL.32,NO.2, PAGE.72-77, FIG.10, TBL.1, REF.3

JOURNAL NUMBER: S0898ABC ISSN NO: 0919-2948

UNIVERSAL DECIMAL CLASSIFICATION: 621.87

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: In order to carry thin plates, **vacuum cups** are frequently  
used. When the over-hang is large, the deflections and stresses of the  
plate have considerably large values. In this paper, the **rectangular**  
plate hanged by two circular **vacuum cups** is treated. The analysis  
is carried out for the plate, which is simply **supported** at the inner  
circular boundaries and free at the outer **rectangular** boundary. In  
addition to these boundary conditions, the plate is subjected to  
different distributed loads...

23/3,K/3 (Item 2 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

00481153 JICST ACCESSION NUMBER: 87A0467965 FILE SEGMENT: JICST-E

**Analysis of strength for plates under different distributed loads on inner  
and outer regions.**

OKAMOTO MASA AKI (1); SEKIYA TSUYOSHI (1)

(1) Osaka Electro Communication Univ.  
Sekkei, Seizu(Journal of Japan Society for Design Engineering), 1987,  
. VOL.22,NO.9, PAGE.330-335, FIG.8, TBL.2  
JOURNAL NUMBER: S0898AAL ISSN NO: 0386-7935  
UNIVERSAL DECIMAL CLASSIFICATION: 539.3  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

ABSTRACT: In order to carry thin plates, **vacuum cups** are frequently used. When the over-hang is large the deflections and stresses of the plate have considerably large values. At the beginning, the **rectangular** plate hanged by a circular **vacuum cup** is treated. The analysis is carried out for the plate simply **supported** at the inner circular boundary and being free at the outer **rectangular** boundary. In addition to these boundary conditions, the plate is subjected to different distributed loads...  
...DESCRIPTORS: **rectangular** plate

23/3,K/4 (Item 1 from file: 248)  
DIALOG(R)File 248:PIRA  
(c) 2003 Pira International. All rts. reserv.

00249668 Pira Acc. Num.: 40402477  
**Title: AUTOMATIC CHEST X-RAY MACHINE**  
Patent Assignee: W. J. HOGAN  
Patent Number: US 4160912  
Application Date: 771109  
Document Type: Patent  
Language: unspecified

Abstract: AN AUTOMATIC CHEST X-RAY MACHINE HAS A TRAY OF UNEXPOSED **RECTANGULAR** CUT FILM IN A FILM-SUPPLY MAGAZINE ENCLOSED IN A LIGHT-TIGHT HOUSING **SUPPORTED** IN AN INCLINED POSITION APPROXIMATELY 30 degrees FROM THE VERTICAL. A PLUNGER PUSHES THE LOWER PORTION OF THE TRAY FORWARDLY TOWARD A PAIR OF VACUUM **SUCTION CUPS** WHICH LIFT THE TOP SHEET OF FILM AND PULL IT FORWARDLY AND THEN UPWARDLY FORCING...

... UPPER EDGE OF THE TRAY AND CAUSING THE SHEET OF FILM TO BOW OUTWARDLY. THE **VACUUM CUPS** THEN RELEASE THEIR HOLD ON THE FILM AND THE RESILIENCE OF THE BOWED SHEET OF FILM CAUSES IT TO STRAIGHTEN OUT AND DROP DOWN VERTICALLY INTO AN OPEN-CLAMP **HOLDER** AT THE FRONT OF THE MACHINE AT THE EXPOSURE STATION. AFTER THE EXPOSURE HAS BEEN MADE THE CLAMPING FORCE IS RELEASED, A TRAP DOOR AT THE BOTTOM OF THE **HOLDER** IS OPENED, AND A PAIR OF UPPER PUSH-DOWN FINGERS PUSH THE EXPOSED SHEET OF FILM DOWNWARDLY OUT OF THE **HOLDER** AND INTO ONE OR MORE SETS OF TRANSPORT ROLLERS WHICH TRANSPORT THE EXPOSED SHEET OF...


23/3,K/5 (Item 1 from file: 141)  
DIALOG(R)File 141:Readers Guide  
(c) 2003 The HW Wilson Co. All rts. reserv.

04311108 H.W. WILSON RECORD NUMBER: BRGA00061108 (USE FORMAT 7 FOR FULLTEXT)  
**Operating on the beating heart.**  
AUGMENTED TITLE: cover story  
Borst, Cornelius.  
Scientific American v. 283 no4 (Oct. 2000) p. 58-63  
WORD COUNT: 4027

(USE FORMAT 7 FOR FULLTEXT)



TEXT:

... a beating heart  illustration above . The name originated from the fact that we use **suction cups** to attach the instrument to the heart and from "Octopussy," one of the laboratory pigs (all our animals were named after characters in James **Bond** movies). We first used the Octopus during bypass surgery on a human patient in September...

**23/3,K/6 (Item 2 from file: 141)**

DIALOG(R)File 141:Readers Guide

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04288803 H.W. WILSON RECORD NUMBER: BRGA00038803 (USE FORMAT 7 FOR FULLTEXT)

**Foreign artists flourish.**

AUGMENTED TITLE: international sidelines

Clark, Cynthia.

Publishers Weekly v. 247 no26 (June 26 2000) p. 27

WORD COUNT: 916

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... collections geared toward individuals, brides and new babies (or parents of). Photo frames come in **square** or peaked styles and sport nifty collage elements plus the occasional, usually literary quotation. Call...

...needn't feel unloved or at least unadorned. Using transparent, self-adhesive stickers and clear **suction cups** , a bevy of mini-vases, CD **holders** and memo or picture **holders** are ready to perk up that workstation. The best of these are clean-cut and...

...a lap table or desk to several modes of witty desk clocks, memo and picture **holders** , pop-art-style desk lamps and a surprising assortment of small vases, among others. Being...

**23/3,K/7 (Item 3 from file: 141).**

DIALOG(R)File 141:Readers Guide

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04024190 H.W. WILSON RECORD NUMBER: BRGA99024190 (USE FORMAT 7 FOR FULLTEXT)

**Dazzling new sideline products.**

Clark, Cynthia.

Publishers Weekly (Publ Wkly) v. 246 no13 (Mar. 29 '99) p. 27

WORD COUNT: 892

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... carved wood animal, five acrylic paints and painting guide, paintbrush and optional mounting supplies: magnet, **hanger** and ribbon and window **suction cup** . Animals for 1999 include a dinosaur, ladybug, frog, butterfly, fish and turtle. The new series...

...look great, too. Three-dimensional wooden puzzles based on geometric shapes such as the pyramid, **rhomboid** and cube combine variously colored hardwoods to create handsome sculptural dilemmas that defy solution. Construction...

**23/3,K/8 (Item 4 from file: 141)**

DIALOG(R)File 141:Readers Guide

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04023181 H.W. WILSON RECORD NUMBER: BRGA99023181 (USE FORMAT 7 FOR FULLTEXT)

**The unknown Matisse {book review}.**

Spurling, Hilary.

Munson, Steven C., reviewer

Commentary v. 107 no4 (Apr. 1999) p. 41-5

WORD COUNT: 4104

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... picture that looks like a snail, or like anything other than the brightly colored irregular **rectangles** and other forms of which it is composed. And yet there is no question that...pictures that Matisse found the tranquility he seemed always to be searching for-Picasso's **hangers** -on thought it had been accepted by their master as a joke and they used it as a target in games of **suction - cup** darts in his studio. There can be little doubt, however, that Picasso himself, with what...

**23/3,K/9 (Item 5 from file: 141)**

DIALOG(R)File 141:Readers Guide

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04007689 H.W. WILSON RECORD NUMBER: BRGA99007689 (USE FORMAT 7 FOR FULLTEXT)

**Monitor safety, CRTs, and adjustments.**

Goldwasser, Sam.

Electronics Now v. 70 no1 (Jan. 1999) p. 18-22

WORD COUNT: 5387

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... CRT (to replace the flyback transformer, for example) first discharge the CRT contact (under the **suction cup** at the end of the fat HV **wire** ). See below for more details on these procedures.

\* For TVs and monitors in particular, there...

...Connect/disconnect any test leads with the equipment unpowered and unplugged. Use clip leads or **solder** temporary **wires** to reach cramped locations or difficult to reach locations.

\* If you must probe live circuits...

**23/3,K/10 (Item 6 from file: 141)**

DIALOG(R)File 141:Readers Guide

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04001851 H.W. WILSON RECORD NUMBER: BRGA99001851 (USE FORMAT 7 FOR FULLTEXT)

**The Sargasso Sea.**

Genthe, Henry.

Smithsonian (Smithsonian) v. 29 no8 (Nov. '98) p. 82-6+

WORD COUNT: 4321

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... air bladders keep the spiky leaves and twisted stems afloat. Though sargassum may cover many **square** miles, it only reaches a foot or so below the surface.

Sailing through the Sargasso...

...actual boundaries of the Sargasso are difficult to chart. The limits of this two-million- **square** mile ellipse of warm, dark-blue water wax and wane and can only be roughly...food produced besides the sargassum. During the course of a year, by one estimate, one **square** yard of the sea's surface measured to the depth where the last rays of...  
...the equivalent of the grass clipped from a one- or two-week growth on a **square** yard of your front lawn, not much pasture for grazing herbivores one step up in...

...evolved here. They are so intimately connected to the weed and mimic its color and **structure** so precisely that many look more like plants than animals--a sign that they are...

...for a predator. For the most part, animals here keep a tight grip with claws, **suction cups** or slimy feet, entwining themselves tightly in sargassum branches or permanently cementing themselves to the...

**23/3,K/11 (Item 7 from file: 141)**

DIALOG(R)File 141:Readers Guide

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04001797 H.W. WILSON RECORD NUMBER: BRGA99001797 (USE FORMAT 7 FOR FULLTEXT)

**The birds of Washington.**

Van Dyne, Larry.

Washingtonian (Washingtonian) v. 33 no9 (June '98) p. 46-55+

WORD COUNT: 12054

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... flocks only in the West.

Now scientists at the Arlie environmental studies center near Warrenton, **supported** by Defenders of Wildlife, are hoping to return them to the bay by raising chicks...

...and teaching them migration patterns they'd ordinarily learn from their parents. Because these birds **bond** with and trust the first living things they see after birth--a process known as...s skeleton are hollow and thin, which lowers their weight. The bones are intricately braced **and** strutted inside for strength.

What are feathers made of? They're made of keratin, the...

**23/3,K/12 (Item 8 from file: 141)**

DIALOG(R)File 141:Readers Guide

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03792623 H.W. WILSON RECORD NUMBER: BRGA98042623 (USE FORMAT 7 FOR FULLTEXT)

**Shooting accessories.**

Petersen's Photographic v. 27 no1 (May 1998) p. 56-71

WORD COUNT: 8559

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... Manfrotto 3036 model from Bogen features wear-resistant aluminum alloy construction, independent variable-spread leg **braces**, convertible cushion/spike feet and a maximum height of 80 3/4 inches.

Middle: Versatile...

**23/3,K/13 (Item 9 from file: 141)**

DIALOG(R)File 141:Readers Guide  
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03322208 H.W. WILSON RECORD NUMBER: BRGA96072208 (USE FORMAT 7 FOR FULLTEXT)

**100+ hot photo accessories.**

Petersen's Photographic v. 25 (Aug. 1996) p. 63-77+

WORD COUNT: 10530

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... a sturdy and durable monopod designed by Cambridge University engineers. The easy-to-carry camera **support** features a simple-to-use one-touch locking mechanism for height adjustment (the CamCane extends up to 5.5 feet) and a quick-setup **suction - cup** camera mount that works something like a ball head--just tilt the camera to the...you mount a Quantum Battery or Radio Slave to any type of pole, round or **square**--such as a lightstand, tripod or monopod. The lightweight clamp easily fits into a camera...than a mousepad and can be used with Windows-compatible computers. Polaroid Corp., 575 Technology **Square**, Cambridge, MA 02139; 800/343-5000.

39. One big advantage of the new Advanced Photo...medium-format cameras having builtin or accessory side grips, while the SQ is made for **square** -format cameras and cameras with rotating backs. Both units hold the flash unit in a...mount. Each Clip Frame is crafted by hand in burnished aluminum, with four clips on **wires** floating your image away from the frame. A hang-a-round wall mount allows positioning...

...available in three sizes: 6X8, 7X8 and 8X10 feet. Steve Kaeser Backgrounds & Accessories, 1358 Tower **Square** #4, Ventura, CA 93003; 805/642-7162.

67. Blackjack Inc. offers a variety of shirts...

**23/3,K/14 (Item 10 from file: 141)**

DIALOG(R)File 141:Readers Guide

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03032446 H.W. WILSON RECORD NUMBER: BRGA95032446 (USE FORMAT 7 FOR FULLTEXT)

**Granot Loma in Michigan: a classic American retreat on the shores of Lake Superior.**

AUGMENTED TITLE: home of T. Baldwin

Berman, Ann E.

Architectural Digest (Archit Dig) v. 52 (May '95) p. 148-55+

WORD COUNT: 1854

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... shipped back individually wrapped in burlap, they grafted a log shell onto the steel-and- **cement frame**. Inside, logs were arranged in dozens of patterns. Carefully placed knotholes were fitted with fixtures ...

**23/3,K/15 (Item 11 from file: 141)**

DIALOG(R)File 141:Readers Guide

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02817650 H.W. WILSON RECORD NUMBER: BRGA94067650 (USE FORMAT 7 FOR FULLTEXT)

**AM Power Loop Antenna.**

AUGMENTED TITLE: booster

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... antenna can be attached to the wall near your AM receiver with a picture hook, **suction cups** or **adhesive** pads.

2. Remote tuning control--contains the power switch, tuning potentiometer and power indicator LED...Cut and strip both ends of a 4-inch length of insulated, No. 22 hookup **wire** and **solder** a lug to one end. Place the lug on a No. 6-32 X 3...

...a 3/4-inch spacer, lockwasher, and nut, as shown. (The free end of the **wire** will be connected to the ground bus on the circuit board later.)

Drill the five...

...about 2 3/4 inches of shielded cable. Keep the unshielded part of the center **wire** as short as possible on each end. Connect the shield to the ground connection on J1 and the other end to the ground bus on the board. **Solder** the **wire** from the **solder** lug on the cover to the circuit board (F to F in Fig. 6). (The leads from the loop antenna will be **soldered** later.) SET the tuner amplifier aside.

Remote tuning control--The case for the remote tuning...

...as shown in Fig. 8. Mount the jack in position as shown. Cut, strip, and **solder** the hookup **wires** as shown in Fig. 8. from the coil to J1.

Fasten the coil base in...length, cut the wires and strip the insulating varnish back from their ends.

Secure the **wires** to the outside of the adapter and to the inside end wall of the case with hot beeswax. **Solder** them as shown in parts-placement diagram Fig. 4 and assembly diagram Fig. 6. Invert... assembly from the bracket and paint the bracket.

After the paint is dry, apply either **suction cups**, a picture-hanging hook, or **adhesive** pads for mounting the completed assembly on the wall.

Interconnections

Refer to mechanical assembly diagram...

23/3,K/16 (Item 1 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

04834639 SUPPLIER NUMBER: 57912041 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Biobots: Can man mimic organic life-forms with machinery? Take a look...**

Menzel, Peter; D Aluisio, Faith; Saunders, Fenella

Discover (GDIS), v21 n9, p86-93, p.8

Sep 2000

ISSN: 0274-7529 JOURNAL CODE: GDIS

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3157

TEXT:

... workbench in an upstairs bedroom, more small robots are under development, scattered amid snippets of **wire**, **solder**, and sheets of specially designed, waferthin circuit boards. Still more are tucked into cases that...by roughly a billion microscopic spatula-shaped tips. They do not work like Velcro, glue, **suction cups**, or static-cling socks. Full and his colleagues believe that those minuscule spatulas come into such intimate contact with what the gecko walks on that the molecules of the two **bond** together. "It's just like hydrogen **bonds** to oxygen. We're talking

'about electron clouds and at sort of stuff," Full says. "those bonds are strong. "If all the hairs attached at their maximum level," he says, "you could..."

23/3,K/17 (Item 2 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

04821520 SUPPLIER NUMBER: 57271183 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Public displays of affection**

Buchanan, Leigh

Inc (INO), v22 n11, p114-124, p.7

Aug 2000

ISSN: 0162-8968 JOURNAL CODE: INO

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3822

TEXT:

... Departing through a showroom awash in snowy porcelain, he crossed the parking lot, climbed a **brace** of stairs; and passed through the door of a drab, two-- story brick building identified...shape modestly, in the company's showroom; it's now housed in a 3,000- **square** -foot space that his son Russ designed in 1988, the year before his father...racing. Ditto for the dozen or so framed patents dating from 1866 to 1932 for **suction cups** that incorporate **wire** hooks, **suction cups** used to hold up cards, and **suction cups** that turn door handles. But Barry gets many of his new-product ideas by just...few framed news clippings detailing the exploits of Dan Goodwin, a human fly who used **suction cups** to scale Chicago's Sears Tower, most of Barry's exhibits are applications of his...

...harbors such bad blood that even cupping probably couldn't cure it.) Many of the **suction cups** are significant for their design-soccer balls, children's faces, and tropical scenes among them. Barry holds the patent on decorative **suction cups**.

AMERICA'S CUPS: Arthur Barry, CEO of Presto Galaxy Suction Cups, gets a grip.

Some...

23/3,K/18 (Item 3 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

04783256 SUPPLIER NUMBER: 55406001 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Engineers join biologists to gauge the Gecko's grip**

Downs, Martha

Chronicle of Higher Education (GCHE), v46 n42, pA24, p.1

Jun 23, 2000

ISSN: 0009-5982 JOURNAL CODE: GCHE

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1421

TEXT:

... the lizard's remarkable grip on smooth surfaces, whether vertical or upside-down.

WITHOUT USING **GLUE**, Velcro, Or suc **suction cups**, the remarkable gecko can climb glass walls and scamper across ceilings. This month, researchers announced...

...lizards. "It's something that people have puzzled over for at least 140 years."

The **adhesive** force was tiny, but when the researchers multiplied

that force by the half-mil on setae...

...times as great as they had predicted, and 500 times as great as needed to **support** the animal's weight.

The size of the force ruled out some possible mechanisms for...the smooth surface of the sensor.

#### A ROBOTIC GECKO

Much of the researchers' work was **supported** by iRobot, a company based in Somerville, Mass., which used some of the biologists' earlier...

...robotic gecko that can climb walls and hang from ceilings. The prototype mechanical gecko uses **adhesive** toes to perform its acrobatic feats, but findings from the current study could allow engineers...

...over obstacles in a vacuum or underwater or through dusty environments that would stop an **adhesive** -based crawler in its tracks. Equipped with sensors, such a device could be sent into...

23/3,K/19 (Item 4 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

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04218070 (USE FORMAT 7 OR 9 FOR FULLTEXT)

#### Being Matisse

Munson, Steve C

Commentary (GCOM), v107 n4, p41-45, p.5

Apr 1999

ISSN: 0010-2601 JOURNAL CODE: GCOM

DOCUMENT TYPE: Commentary

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3828

#### TEXT:

... picture that looks like a snail, or like anything other than the brightly colored irregular **rectangles** and other forms of which it is composed. And yet there is no question that...pictures that Matisse found the tranquility he seemed always to be searching for-Picasso's **hangers** -on thought it had been accepted by their master as a joke and they used it as a target in games of **suction** - **cup** darts in his studio. There can be little doubt, however, that Picasso himself, with what...

23/3,K/20 (Item 5 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

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04189860 (USE FORMAT 7 OR 9 FOR FULLTEXT)

#### Holiday checklist

Heloise

Good Housekeeping (GGOH), v227 n6, p32, p.1

Dec 1998

ISSN: 0017-209X JOURNAL CODE: GGOH

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 880

#### TEXT:

... a broom handle, or cut a notch in the end of a yardstick. Slip the **strand** of lights over the hook or notch and then drape over the cup hooks around...

...want to make a hole in wood. Check hardware, crafts, and discount stores. Or try **suction** - **cup** hooks on glass dcx)rs (and windows): They're available in a range of sizes to **support** different weights.

Author Affiliation:

23/3,K/21 (Item 6 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
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04182100 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**High-tech effects**

Bittar, Christine

Brandweek (IADW), v40 n8, p3, p.1

Feb 22, 1999

ISSN: 1064-4318

JOURNAL CODE: IADW

DOCUMENT TYPE: News

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 332

TEXT:

... a younger, more on-the-go  
female. The Silk Effects+ razor comes with a shower **hanger** for the  
razor and refill cartridge, and has **suction cups** on the back of the  
**hanger**, so it sticks to shower tiles. The blade is coated with safety  
**wires** for nick protection and aloe has been added to the "Ultra Glide"  
strip.

Print and...

23/3,K/22 (Item 7 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
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04144172 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Light on the go**

Marion, Doug

Trailer Life (ITLI), v58 n8, p52, 93+, p.3

Aug 1998

ISSN: 0041-0780

JOURNAL CODE: ITLI

DOCUMENT TYPE: Product Review-Favorable

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 855

TEXT:

... housing is very durable and can withstand high impact.  
Two mounts are standard: a scratchresistant **suction cup** and a base  
mount that can be installed using four 3/16-inch stainless-steel...

...RadioRay horizontally to the door of our Ford F-250 pickup where it  
stuck "like **glue** ." Off-road enthusiasts might appreciate this feature if  
they're ever bogged up to their...

...removed from subsequent units.

The high-quality mechanism features a sealed motor with  
silicone-protected **soldered** connections, polycarbonate rotation and  
elevation **racks**, machined brass pinions, powdered-steel reduction gears,  
case-hardened shafts and Delrin no-load idler...

23/3,K/23 (Item 8 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

04068388 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Monitor safety, CRTs, and adjustments**

Goldwasser, Sam

Electronics Now (GRAD), v70 n1, p18-22, p.5



Jan 1999  
ISSN: 1067-9294 JOURNAL CODE: GRAD  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4973

TEXT:

... CRT (to replace the flyback transformer, for example) first discharge the CRT contact (under the **suction cup** at the end of the fat HV **wire** ). See below for more details on these procedures.

For TVs and monitors in particular, there...

...Connect/disconnect any test leads with the equipment unpowered and unplugged. Use clip leads or **solder** temporary **wires** to reach cramped locations or difficult to reach locations.

If you must probe live circuits...

**23/3,K/24 (Item 9 from file: 484)**  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

03721238 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**My cup tip-eth over**

Russell, Marley

Trailer Boats (ITBO), v27 n5, p70-73, p.4

May 1998

ISSN: 0300-6557 JOURNAL CODE: ITBO

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1706

TEXT:

... in configurations that should suit every boat and every situation, Marinc-AFI's rugged polyethylene **racks** range from single-beverage **holders** (Model 65606) to party-size extravaganzas. Naturally, you can choose insulated and non-- insulated varieties, and most are notched to accept mugs or cups with handles. Prices for these indestructible **racks** , available in white only, range from \$22 to \$35. They can be bulkhead-mounted using screws or bolts, or mounted on flat surfaces via 3M's 5200 **adhesive** . A word of warning, however: Once you use the 5200 don't expect to be taking the **rack** off any time soon.

For a more sophisticated look, Marinc-- AFI offers similar racks in

...

**23/3,K/25 (Item 10 from file: 484)**  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

03531072 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**A test of the generality of the effects of shelter bottlenecks in four stone crab populations**

Beck, Michael W

Ecology (GECO), v78 n8, p2487-2503, p.17

Dec 1997

ISSN: 0012-9658 JOURNAL CODE: GECO

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 11170

TEXT:

... Apalachee Bay for logistical reasons. Crabs were tethered to rebar hooks and vinyl-coated leader **wire** that I attached to the crabs with a super- **glued suction cup** (Beck 1995). All crabs were tethered in

seagrass beds next to a s grass/sand edge...

...Black 1994). A predation event was recorded if I found only pieces of crab carapace **glued** to the **suction cup**. On some occasions crabs escaped from the tethers by stripping, crushing, and cutting the leader **wire**. In each of the three bays, crabs spanning a wide range of sizes were tethered...

**23/3,K/26 (Item 11 from file: 484)**

DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

03445576 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Rauschenworld**

Trebay, Guy

Village Voice (GVIV), v42 n39, p30, p.1

Sep 30, 1997

ISSN: 0042-6180

JOURNAL CODE: GVIV

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 714

TEXT:

... all of you guys would have been out of a job"  
Stillmore Rauschenbert media, kites **cement** -filled bucket, wind turbine, went duct, oller skate, electric light, zipper, police barricade, bicycle wheel, plastic ruler, window **frame**, flashlight, chain, boot, papertowel dispenser, bedsping, hockey stick, hose pipe, Lucite bedsheets, fire wax, sand...

**23/3,K/27 (Item 12 from file: 484)**

DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

03165020 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Behind the wall**

Oldham, Scott

Popular Mechanics (GPOM), v174 n3, p48-53, p.6

Mar 1997

ISSN: 0032-4558

JOURNAL CODE: GPOM

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3876

TEXT:

... to be torn down, just like the primary car yesterday.  
I unbolt the triangular underhood **brace** they call the "dinner bell," and help Gil Kerley and Derick Jennings pull the motor...

**23/3,K/28 (Item 13 from file: 484)**

DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2003 ProQuest. All rts. reserv.

02709467 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**How to hang a big mirror**

Prestly, Don

Family Handyman (GTFH), v46 n2, p66-71

Feb 1996

ISSN: 0014-7230

JOURNAL CODE: GTFH

DOCUMENT TYPE: Instructional

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 945

LENGTH: Medium (10-30 col inches)

TEXT:

... track, fasteners and adhesive are sold where you buy the mirror, and you can rent **suction - cup** lifting devices that make moving the mirror a breeze.

Your patience might be tested, however...

...their mirrors be attached to the wall using two different methods. One must be mechanical ( **brackets** or J-channel) and the other an **adhesive** (mastic).

Aluminum J-channel that's the same width as the mirror looks the best

...upper J-channel and then over and into the lower J-channel (Photo 5)

The **adhesive** , which must be special mirror mastic, provides additional **support** . The mastic is formulated for use on mirrors and will not damage the silver on the back. Don't use regular construction or panel **adhesive** --it will ruin the mirror] Buy the mastic where you purchase the mirror. They use...

23/3,K/29 (Item 14 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

(c) 2003 ProQuest. All rts. reserv.

02662329 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Better processing through automation**

Valenti, Michael

Mechanical Engineering (GMEE), v118 n1, p52-57

Jan 1996

ISSN: 0025-6501 JOURNAL CODE: GMEE

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2691

LENGTH: Long (31+ col inches)

TEXT:

... preventing oxidation, into a box with five holes, each of which feeds one column. Each **strand** of molten steel pours into a column rotating at 90 to 100 revolutions per minute...from automated processing. Michigan Steel Processing Inc. (MSP) in New Boston, Mich., slits, blanks, and **welds** steel coil for the automotive industry. The steel coils are supplied by major mills, including...

...USX. MSP processes the coils, which are stamped to fashion doors, hoods, roofs, fenders, door **braces** , and cross members of cars.

Software firm Michigan Information Systems tailor-made a computer program...

...Several temperature and humidity sensors are located from floor to ceiling in the 220,000- **square** -foot warehouse. If either temperature or humidity fall outside specified levels, the sensors activate the...

...are followed.

Engineers at MSP use an automated blanking machine to improve their processing of **rectangular** , **trapezoidal** , or configured stamping blanks from steel coil. The coil is washed, dried by air knives...computer sends commands to an automatic overhead crane, dubbed the Gofer, which has a large **frame** equipped with **suction cups** . The Gofer picks up the glass and transports it to a tilt table for cutting...

23/3,K/30 (Item 15 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

(c) 2003 ProQuest. All rts. reserv.

02361886 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Size-specific shelter limitation in stone crabs: A test of the demographic bottleneck hypothesis**

Beck, Michael W

Ecology (GECO), v76 n3, p968-980, p.13

Apr 1995

ISSN: 0012-9658 JOURNAL CODE: GECO

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8865 LENGTH: Long (31+ col inches)

**TEXT:**

... were tethered to J-hooked rebar stakes with a ] m length of vinyl-coated leader **wire** that I attached to the crabs with a super- **glued suction cup** . Prior work indicated that these were the only materials that would reliably hold stone crabs. I used a 0.5 m length of leader **wire** for crabs with a carapace width <50 mm and a 1.0 m length for...

**23/3,K/31 (Item 16 from file: 484)**

DIALOG(R)File 484:Periodical Abs Plustext

(c) 2003 ProQuest. All rts. reserv.

01971613 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**A laboratory analysis of the effect of macropores on solute transport**

Wildenschild, D; Jensen, K H; Villholth, K; Illangasekare, T H

Ground Water (IGDW), v32 n3, p381-389

May 1994

ISSN: 0017-467X JOURNAL CODE: IGDW

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 6279 LENGTH: Long (31+ col inches)

**TEXT:**

... Figure 2 omitted) The grid consisted of a 9 by 9 array of 5 cm **square** cells. This grid was attached to a zinc plate in which 5 X 5 cm...

...At the bottom of each hollow a hole was made, and a brass tube was **soldered** to the hole to which a PVC-tube was attached. A box with 69, 100  
...

**23/3,K/32 (Item 17 from file: 484)**

DIALOG(R)File 484:Periodical Abs Plustext

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01217394 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The Bird Feeder's Handbook**

Buff, Sheila; Vivian, John

Mother Earth News (GTME), n135, p54-57, p.4

Dec 1992

ISSN: 0027-1535 JOURNAL CODE: GTME

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2473 LENGTH: Long (31+ col inches)

**TEXT:**

... winter mornings--they will bring a variety of colorful birds practically within touching distance. These **rectangular** , platform feeders have a roof and are usually made of clear, tough plastic. They attach to the windowpane with inexpensive **suction cups** (which need to be replaced every six months or so) or to the window sill with screws or **brackets** . Sometimes, movement behind the window will frighten birds away; don't worry, they'll be...don't install the perches when assembling.

Other effective anti-squirrel feeders use vinyl-coated **wire** mesh placed around tube feeders; the squirrels can climb on the feeder but can't

....  
...among other birds. The simplest and best type is a basket made of vinyl-coated **wire** with a hinged opening at one end. It can be hung from a branch or...

...make your own suet feeders using mesh bags (the sort onions come in) or chicken **wire**. Or, for the easiest homemade version, spread peanut butter on a pine cone and hang...

...avoid bees and yellow jackets, select a dripless feeder; to avoid ants, coat the hanging **wire** or chain with petroleum jelly.

#### FRUIT FEEDERS

Hanging fruit feeders that hold apple or orange...

...and laundry detergent bottles, for example) can be made into a feeder by cutting a **rectangular** panel out of one side, a few inches from the bottom. Leave the cap on...

?show files;ds

File 9:Business & Industry(R) Jul/1994-2003/Mar 06  
(c) 2003 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2003/Mar 07  
(c) 2003 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2003/Mar 07  
(c) 2003 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
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File 20:Dialog Global Reporter 1997-2003/Mar 07  
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File 148:Gale Group Trade & Industry DB 1976-2003/Mar 06  
(c)2003 The Gale Group  
File 553:Wilson Bus. Abs. FullText 1982-2003/Jan  
(c) 2003 The HW Wilson Co  
File 47:Gale Group Magazine DB(TM) 1959-2003/Mar 06  
(c) 2003 The Gale group  
File 646:Consumer Reports 1982-2003/Feb  
(c) 2003 Consumer Union  
File 392:Boston Herald 1995-2003/Mar 07  
(c) 2003 Boston Herald  
File 631:Boston Globe 1980-2003/Mar 06  
(c) 2003 Boston Globe

Set	Items	Description
S1	2748	(SUCTION OR VACUUM)()CUP? ?
S2	9911183	STRUCTURE? ? OR HANGER? ? OR SUPPORT?? OR BRACE? ? OR FRAM- E? OR HOLDER? ? OR BRACKET? ? OR RACK? ? OR FRAME()WORK? ?
S3	3282549	WIRE OR WIRES OR STRAND? ? OR (EXTRUDED OR STRIP? ?)(2N)(M- ETAL OR STEEL OR COPPER) OR FILAMENT? ?
S4	2566032	ADHESIVE? ? OR WELD?? OR SOLDER?? OR BRA?E? ? OR (BLOW OR - ALCOHOL OR BUTANE OR SOLDER? OR ACETYLENE OR WELDING)() (TORCH OR LAMP) OR FUS??? OR GLUE? ? OR BOND??? OR CEMENT?? OR (STIC- K??? OR STUCK OR ATTACH???)() (TO OR TOGETHER)
S5	1395605	RECTANGLE? ? OR RECTANGULAR OR QUADRANGLE? ? OR QUADRANGUL- AR OR SQUARE? ? OR RHOMB? OR QUADRILATERAL? ? OR (FOUR OR 4)(- )SIDE? ? OR OBLONG? ? OR ORTHOGONAL OR TRAPEZOID??
S6	13455	S2(3N)S5
S7	0	S1(5N)S6
S8	0	S1(10N)S6
S9	14692	S2(3N)S3
S10	6	S1(S)(S6 OR S9)
S11	223	S1(10N)S2
S12	31	S11(S)(S3 OR S5)
S13	31	S12 NOT PY>2001
S14	26	S13 NOT PD=20010401:20030430
S15	19	RD (unique items)

15/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

02683741 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**New bathrooms stress style**

(Trend in bathrooms moves away from basic, boring norm of white porcelain and chrome; sales in category reached almost \$475 mil last year)

Discount Store News, v 39, n 1, p 35+

January 03, 2000

DOCUMENT TYPE: Journal ISSN: 0012-3587 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1420

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Graves explained.

Shower dispensers for liquid body wash have been selling quite well, Graves said. **Suction - cup** mounted **holders** for shampoo, razors and bath sponges are also increasing in consumer acceptance, he said. Shower organizers have improved in looks and quality, shifting away from vinyl-coated **wire** organizers that are easily dislodged to more stylish pieces such as Homz' new Dura-Chrome...

15/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

02662818 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Gillette turns attention to women**

(Gillette is budgeting \$75 mil to market repackaged range of women's shaving products; global campaign will include print, TV and in-store displays)

Advertising Age, v 70, n 51, p 12

December 13, 1999

DOCUMENT TYPE: Journal ISSN: 0001-8899 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 560

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...category. Schick this summer introduced Silk Effects Plus, a razor with a lubricating strip and **wire**-wrapped blades to prevent nicks, and sold with a **holder** that attaches to shower walls with a **suction cup**.

Universal Group, a maker of private-label razors, this month began shipping a line of...

15/3,K/3 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

02411266 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Schick Silk Effects+ Razor for Women; Refill Cartridge MANUFACTURER:**

**Warner-Lambert Shaving Products Division CATEGORY: 326 - Razors & Hair Removers**

(Warner-Lambert will spend \$30 mil on media support for new Schick Silk Effects+ Razor for Women, which will come with a shower hanger for the razor and a refill cartridge that sticks to shower tiles)

Product Alert, v 29, n 6, p N/A

March 22, 1999  
DOCUMENT TYPE: Journal ISSN: 0740-3801 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 130

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...will have a suggested retail price of \$4.99. It will come with a shower **hanger** for the razor and Refill Cartridge that has **suction cups** on the back so it will stick to shower tiles. The blade is said to be coated with safety **wires** for nick protection and aloe is said to have been added to the "Ultra Glide..."

15/3,K/4 (Item 4 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

02397804 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**High-Tech Effects**

(Schick Shaving Products division of Warner-Lambert to launch Schick Silk Effects+ razor; to have close to \$30 mil in media support)

Brandweek, v XXXX, n 8, p 3

February 22, 1999

DOCUMENT TYPE: Journal ISSN: 1064-4318 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 324

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...a younger, more on-the-go female. The Silk Effects+ razor comes with a shower **hanger** for the razor and refill cartridge, and has **suction cups** on the back of the **hanger**, so it sticks to shower tiles. The blade is coated with safety **wires** for nick protection and aloe has been added to the "Ultra Glide" strip.

Print and...

15/3,K/5 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02051997 57271183

**Public displays of affection**

Buchanan, Leigh

Inc v22n11 PP: 114-124 Aug 2000

ISSN: 0162-8968 JRNL CODE: INO

WORD COUNT: 3822

...TEXT: from their sockets-may not send most pulses racing. Ditto for the dozen or so **framed** patents dating from 1866 to 1932 for **suction cups** that incorporate **wire** hooks, suction cups used to hold up cards, and suction cups that turn door handles...

15/3,K/6 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01969056 47699727

**New bathrooms stress style**

Howell, Debbie



Discount Store News v39n1 PP: 35-36 Jan 3, 2000  
ISSN: 0012-3587 JRNL CODE: DSN  
WORD COUNT: 1436

...TEXT: Graves explained.

Shower dispensers for liquid body wash have been selling quite well, Graves said. **Suction - cup** mounted **holders** for shampoo, razors and bath sponges are also increasing in consumer acceptance, he said. Shower organizers have improved in looks and quality, shifting away from vinyl-coated **wire** organizers that are easily dislodged to more stylish pieces such as Homz' new Dura-Chrome...

15/3,K/7 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01781359 04-32350  
**High-tech effects**  
Bittar, Christine  
Brandweek v40n8 PP: 3 Feb 22, 1999  
ISSN: 1064-4318 JRNL CODE: IADW  
WORD COUNT: 332

...TEXT: a younger, more on-the-go

female. The Silk Effects+ razor comes with a shower **hanger** for the razor and refill cartridge, and has **suction cups** on the back of the **hanger**, so it sticks to shower tiles. The blade is coated with safety **wires** for nick protection and aloe has been added to the "Ultra Glide" strip.

Print and...

15/3,K/8 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00944985 95-94377  
**CURIO NDT robot for the construction industry**  
Chamberlain, D A; Bleakley, G J  
Industrial Robot v21n4 PP: 29-31 1994  
ISSN: 0143-991X JRNL CODE: IRO  
WORD COUNT: 2353

...TEXT: better than 1,000mm/sec.

#### VEHICLE-MOUNTED ROBOT STRUCTURE

The robot framework is constructed of **rectangular** aluminium tubing to overall dimensions of approximately 2.1m x 1.3m in the X...

... microprocessors, vacuum pump and compressor. Four wheels set in adjustable slides are attached to the **frame** together with the pneumatic rams which deliver the **suction cups**. Along the cable attachment edge of the **frame** a mechanism is provided which enables the robot to be balanced in its suspended state...

15/3,K/9 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

09190186 Supplier Number: 65020214 (USE FORMAT 7 FOR FULLTEXT)

DRINK UP! (Coca Cola and other soft drink marketing)  
Urbanski, Al  
Supermarket Business, v55, n8, p33  
August 15, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2200

... s DiGiorno pizza brand on one-price offers, offers literally shoved in consumers faces via **wire racks** that attach to the freezer door with **suction cups**. A header informs shoppers of the deal, and the **rack** cradles eight two-liters of Coke, one set above the other at 45-degree angles...

15/3,K/10 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07915237 Supplier Number: 66161792 (USE FORMAT 7 FOR FULLTEXT)  
**Kazoos are "a piece of Americana," says David Berghash, whose company produces 1.5 million kazoos a year. (companies, and individuals, who preserve the heritage of their businesses through exhibits and museums, such as the American Sanitary Plumbing Museum)**  
Inc., p114  
August, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General  
Word Count: 3474

... from their sockets -- may not send most pulses racing. Ditto for the dozen or so **framed** patents dating from 1866 to 1932 for **suction cups** that incorporate **wire** hooks, suction cups used to hold up cards, and suction cups that turn door handles...

15/3,K/11 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06920620 Supplier Number: 58466164 (USE FORMAT 7 FOR FULLTEXT)  
**Gillette turns attention to women ;Repackaged shaving 'Collection' gets \$75 mil campaign from BBDO.**  
Cardona, Mercedes M.  
Advertising Age, v70, p12  
Dec 13, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 561

... category. Schick this summer introduced Silk Effects Plus, a razor with a lubricating strip and **wire** -wrapped blades to prevent nicks, and sold with a **holder** that attaches to shower walls with a **suction cup**.  
Universal Group, a maker of private-label razors, this month began shipping a line of...

15/3,K/12 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

02072772 Supplier Number: 42679821 (USE FORMAT 7 FOR FULLTEXT)  
**RADAR DETECTORS THROUGH THE YEARS**  
HFD-The Weekly Home Furnishings Newspaper, v0, n0, pss9  
Jan 20, 1992

Language: English    Record Type: Fulltext  
Article Type: Industry overview  
Document Type: Magazine/Journal; Trade  
Word Count: 2032

... on the car's dashboard with Velcro; but many detectors also offer windshield mounting via **suction cups**, or visor mounting with a special **wire bracket**.

In addition, some variations on standard radar detector technology in recent years have led to...

**15/3,K/13      (Item 1 from file: 160)**  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01550612

**SKYWASHER: A MOBILE ROBOT CLEANS THE WINDOWS OF HIGH-RISE BUILDINGS SAFELY AND AUTOMATICALLY.**

NEWS RELEASE    November 15, 1986    p. 12

... in order to wash the windows. The SKYWASHER is capable of washing approximately 50,000 **square** feet of windows within 24 hours. It is three feet high, three feet wide...

... suction cup feet to alternatively adhere to the building's surface and then release. These **suction cups** can **support** 300% of the robot's weight. In addition to the SKYWASHER itself, the window washing...

**15/3,K/14      (Item 2 from file: 160)**  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

00278456

**Telattach Corp (Chevy Chase, Md) has introduced two interactive TV terminals, one for the consumer market and one for education.**  
Electronics    March 21, 1974    p. 29,301

...a wheel and dashboard connected by cable to a toy racing car mounted on a **frame** that is attached by **suction cups** to a TV screen. The programs, now being promoted among cable TV operators, consist of...

...terminal can be used by one student or a group. Each terminal has a 64-**square** board with a light under each **square**. A photocell, stuck by a suction cup to a corner of the TV screen, reads...

...a video program. The teacher viewed on the screen may turn on any of the **squares** of light under the student's panel, and the student responds to a question by pressing a **square**. If the **square** lights up, the answer is correct.    ...

**15/3,K/15      (Item 1 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

05226861 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Casinos Use Technology to Thwart Would-Be Cheaters**

David Flaum

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (COMMERCIAL APPEAL - MEMPHIS, TENNESSEE)

May 07, 1999

JOURNAL CODE: KCAM    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 667

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... was made from a seven-inch wire tube with wires inserted, glued onto a plastic **holder** for two small batteries. A **suction cup** was attached to the battery pack with a rubber band. At the tip of the...

15/3,K/16 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

12892474 SUPPLIER NUMBER: 67341296 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Rectangular suction cups. (Brief Article)**  
Industrial Distribution, 89, 11, 115  
Nov, 2000  
DOCUMENT TYPE: Brief Article ISSN: 0019-8153 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 64 LINE COUNT: 00008

TEXT:

**Rectangular suction cups** offer better grip and **support** for wide range of long, thin products; **suction cups** feature a larger surface area than round cups to stabilize the load; cups molded from...

15/3,K/17 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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07200805 SUPPLIER NUMBER: 15232280 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Good as gold. (Point of Purchase Advertising Institute's 1993 Outstanding Merchandising Achievement Awards)**  
Food & Beverage Marketing, v13, n2, p24(3)  
Feb, 1994  
ISSN: 0731-3799 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 2035 LINE COUNT: 00156

... flavor message. The display can dispense up to 120 gum packages and requires only 41 **square** inches of counter space. But the feature that may have taken this display over the top in OMA competition is its transforming option. By attaching **brackets** and **suction cups** (included) to the back panel, the display can easily and safely be attached to glass...

15/3,K/18 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06445497 SUPPLIER NUMBER: 13148899 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**PRECISION NAVIGATION: HELP DAD FIND HIS WAY THIS FATHER'S DAY**  
PR Newswire, p0506SJFNS01  
May 06, 1993  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 330 LINE COUNT: 00028

... electronic devices.

Weighing only three ounces and measuring three inches in diameter, the compass and **bracket** easily affix to the windshield with **suction cups** and can be permanently attached with screws. The Wayfinder is powered by coin batteries, eliminating unsightly **wires** or plugs, and the matte black casing looks attractive in any car.

The Wayfinder's...

15/3,K/19 (Item 4 fr File: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

02488777 SUPPLIER NUMBER: 04044381 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**General hardware. ("Who Makes It" Buyers' Guide)**  
Chilton's Hardware Age, v222, p25(19)  
Dec, 1985  
ISSN: 8755-254X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 30530 LINE COUNT: 02145

... Inc - 6  
HANGERS, ALL PURPOSE 1 Adhesive 2 For dry wall construction 3  
Decorative 4 **Suction cup** 5 Suspended Ceiling Grid Type ZIABICKI IMPORT  
CO - 3 (RING **HANGERS** ) Adams Mfg - 1, 4 American Tack & Hardware Co Inc -  
1, 5 B & R Hardware Supply...

...3 Moore Push-Pin Co - 1 (Vinyl-Foam), 2 Selfix Inc - 1, 2 Steel And  
**Wire** Products Co Inc - 2 Super Glue Corporation - 1 Terry Hinge & Hardware  
Co - 1 Trans-Atlantic...